

Nowotny, H. and Wittmann, A.
STRUCTURE OF METALLOID-CONTAINING PHASES
IN ALLOYS (Der Aufbau Metalloidhaltiger Phasen in
Legierungen). [1961] [36]p. (foreign text included)
41 refs.

Order from SLA \$3.60

61-20845

Trans. of Radex-Rundschau (Austria) 1957, no. 5/6,
p. 693-707.

DESCRIPTORS: *Alloys, Metallurgical analysis,
*Crystal structure, Phase studies, *X-ray analysis,
Chemical analysis

The structure of most crystalline and intermediate
metal-metalloid-phases known in alloys is discussed,
keeping residue analysis in mind. After discussing
the reasons for association of real metal phases with
metalloid-containing phases in technical alloys and
(Metallurgy--Structural, TT, v. 7, no. 4) (over)

61-20845

I. Nowotny, H.
II. Wittmann, A.

191146

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On Novel Types of Tantalum-Niobium Infiltrated or
Sintered Alloys and Compound Materials With Graphite,
by R. Kieffer, H. Nowotny, et al, 34 pp.
GERMAN, rpt, 22-26 Jun 1964. 9226272
AEC-LA-Tr-64-27

p94

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Nowotny, H.
THE PROBLEM OF HIGH-MELTING MATERIALS
(Zur Frage Hochschmelzender Stoffe). [1961] [42]p.
(foreign text included) 29 refs.
Order from SLA \$4.60 61-20839

Trans. of Plansee Seminar 'de re Metallica'. Plansee
Proceedings (Austria) 1958, v. 3, p. 23-37.

DESCRIPTORS: *Melting, Sublimation, Evaporation,
Phase transitions, Lattices, Thermodynamics, Math-
ematical analysis, Hyperfine structure, Metallic crys-
tals, Molecular association, *Solid state physics,
Semi-conductors, High temperature research, Ther-
mal stresses.

(Physics, TT, v. 7, no. 4)

61-20839

I. Nowotny, H.

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Office of Technical Services

61-20837

Nowotny, H., Auer-Welsbach, Helga and others.
A CONTRIBUTION TO THE STRUCTURE OF
 Mn_2Si_3 (D 8_8 -Type) (Ein Beitrag zur Mn_2Si_3 -Struktur
(D 8_8 -Typ). [1961] / [11]p. (foreign text included)
15 refs.

Order from SLA \$1.60

61-20837

Trans. of Monatshefte für Chemie (Austria) 1959,
v. 90, no. 1, Sonderabdruck, p. 15-22.

DESCRIPTORS: *Manganese compounds, *Silicides,
Single crystals, Crystal structure.

The parameters of the D 8_8 structure were determined
again by well shaped, single crystals of the Ti_2Si_3
type. Zr_5Al_3 crystals-isotype thereto--were traced
in the system Zr-Al. In cutting sections of
 Ti_5Sn_3 - Zr_5Sn_3 an unbroken region of mixture crystals
of D 8_8 type appears; in those of Zr_5Pb_3 - Ti_5Pb_3 (3),
(Physics--Solid State, TT, v. 7, no. 4) (over)

I. Nowotny, H.
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Nowotny, Hans.
THE CRYSTALLINE STRUCTURE OF Cu_2Te . [1963]
Sp. (figs. refs. omitted).
Order from SLA \$1.10

63-18483

Trans. of [Zeitschrift für Metallkunde] (West Germany)
1946, v. [37] [no. 1/2] p. 40-42.

DESCRIPTORS: *Copper alloys, *Tellurium alloys,
Crystal structure, Crystal lattices, Phase studies,
Microstructure

(Metallurgy--Structural, TT, v. 10, no. 11)

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1. Nowotny, H.

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The Monocarbides TiC-HfC and ZrC-HfC Form
Continuous Solid Solutions, by H. Nowotny, R.
Kieffer, F. Benesovsky, C. Brakl, 4 pp.

FRENCH, rpt, From the 1st Chemical Inst of the
Univ of Vienna and the Metalworks Plansee AG.,
Reutte, Tirol, 1959.

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Pyrophorous Alloys, by H. Nowotny, Helga
Auer-Welsbach, A. Wittmann, 15 pp.

GERMAN, per, Österreichische Chemiker-
Zeitung, Vol LX, 1959, pp 12-16. 9202273

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A Contribution Concerning the Structure of
High Melting Point Hafnium Phases: $\text{HfO}_2\text{-UC}$
 Hf_2Si_3 (C), by H. Nozotny, E. Laube, R. Kieffer,
F. Benesovsky, 6 pp.

GERMAN, per, Monatsh Chem, Vol LXXXIX, No 6,
1958, pp 701-707.

AEC Tr 3806

Sci - Chem

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The Manganese (Iron)-Tin System, by Hans
Nowotny, Konrad Schubert, 13pp.

GERMAN, per, Zeitschrift für Metalkunde,
Vol 37, 1946, No 1/2, pp 17-23.

CFSTI TT-64-18123.

Hans Nowotny

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Sci - Chemistry

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On the Double Carbides in the Systems: U-Cr-C,
U-Mo-C and U-W-C, by H. Nowotny, R. Kieffer,
F. Benesovsky, E. Laubs, 9 pp.

GERMAN, per, Monatsh Chem, Vol LXXXIX, No 6,
1956, pp 692-700.

AEC Tr 3807

Sci - Chem

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Pyrophoricity in Alloys, by E. Nowotny.
RUSSIAN, per, Uspekhi Khim, No 3, 1958, pp 353-364.

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NOWOTNY, H.
KIEFFER, R.
KNOTEK, O.

Constitution of Carbide System TiC-TaC-WC.

BERG- UND HUTTENMANNISCHE MONATSCHEFTE, vol 96,
1951, No 1, pp 6-8; 2200 words.

Brutcher No 2684, \$ 2.90

New Silicides of the M_5Si_3 Type With D_{8h} Structure,
by H. Schachner, E. Cerwenka, E. Nowotny, 9 pp.

GERMAN, per, Monatsch Chem, Vol LXXXV,
1954, pp 245-254.

SLA Tr 2106

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Sci - Chemistry
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Investigation of Silicide Systems, by
H. Nowotny, R. Machenschalk, R. Kieffer,
F. Benesovsky, 5 pp.

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pp 241-244.

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Sci - Chemistry
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The Preparation of Uranium Monocarbide and Its
Reactions With Carbides of the Refractory Transi-
tion Metals, by H. Novotny, R. Jeffer, F. Benesov-
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AEC 3415

Sci - Min/Met

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The Binary Systems: UC With TiC, ZrC, VC, NbC,
TaC, Cr₃C₂, Mo₂C and WC, by H. Novotny, R. Kieffer,
F. Benešovsky, E. Lambe, 9 p p.

CHERMAN, per, Monatsch Chem, Vol LXXXVIII, 1957, pp
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Sci - Chemistry; Min/Metals

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Chloride, by V. Gutman, H. Nowotny, G. Ofner,
5 pp.

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Vol CCLXXVIII, No 1/2, 1955, pp 78-81.

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The Crystal Structures of Ni_5Ca , Ni_5La , Ni_5Ce ,
 Cu_5La , Cu_5Ce , Zn_5La , Zn_5Ce , Ni_2Co , MgCo , MgLa
and MgSr , by Hans Nowotny, 21 pp.

GERMAN, per, Z Metallkunde, Vol XXXIV, ~~1942~~
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Shigeyoshiro Noyama, 11 pp.

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Sci - Nuc Phys
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Cases of Severe and Fatal Illness Caused by
Shigella Sonnei, by M. ~~Vak~~ Voikulesku, M.
~~Noyman~~, G. Ionescu, Anna Valeriu, Teya Khorodnichanu,
3 pp.

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Vol XXX, No 7, 1959, pp 57-59.

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Some Factors Influencing the Pigmentation of
Nodules of Leguminous Plants, by A. Nowotny-
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Our Country. A Few Words With Our National Front
Friends, by Reza Mousavi, 18 pp.

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Nowakowska, M. and Dahlig, W.
INVESTIGATION OF THE POSSIBILITY OF
COPOLYMERIZATION OF ETHYLENE WITH
ACRYLONITRILE ON ORGANOMETALLIC
COMPLEXES. [1963] 9p.

Order from ATS \$12.50

ATS-43Q68P

Trans. of Polimery [Tworzywa Wielkocząsteczkowe]
(Poland) 1962, v. 7, no. 4, p. 125-128.

DESCRIPTORS: *Ethylene, *Copolymerization,
*Acrylonitrile, *Metalorganic compounds.

(Chemistry--Organic, TT, v. 10, no. 7)

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I. Nowakowska, M.
II. Dahlig, W.
III. ATS-43Q68P
IV. Associated Technical
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The Effect of Anabolic Agents on the Myocardium.
Pt.1. Effect of 4-Chlorotestosterone Acetate on
the Protein Composition of Rabbit Heart, by
H. Nowy and H.D. Frings.
GERMAN, par, Arzneimittelforsch, 1963, v.13,
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SLA-TT-64-28913

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Determination of the Self-Diffusion of ⁵⁴
I in Single and Polycrystalline K, by
F. Noyer, 4 pp.
FRENCH, per, C.R. Acad. Sci. 242, 1956
pp. 3068-3071.
*NBS TT 70-57631

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F. Noyer

THE ORIENTATION OF SCIENTIFIC, TECHNOLOGICAL,
AND NATURAL RESOURCES INVESTIGATION: AN
IMPORTANT REVOLUTIONARY TASK, BY JUAN F.
NOYOLA, 18 PP.

SPANISH, PER, CUBA SOCIALISTA, VOL 11, NO 14,
OCT 1962, PP 44-53.

JPRS 17635

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DATA TT 4-9752

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Production of Alloy Steels in a Basic
oxygen Furnace' by H. Kozakami, et. al.
JAPANESE, par. Tetsu to Hagané, Vol 50,
no 11, 1964, pp 1718-1720.
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NOZAKI, H.
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Order from ATS \$5.75

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Trans. of Denshi Shashin (Japan) 1961, v. 3, no. 1,
p. 25-26.

DESCRIPTORS: *Electrophotography, Photography,
Sensitivity.

ATS-JJ-3112

(Materials--Photographic, TT, v. 7, no. 5)

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- II. ATS-56NS7J
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Nozaki, Hiroshi,
ELECTROLYSIS OF FUSED SALTS. PT. 3. ELEC-
TROLYSIS OF FLUORIDES OF ALUMINUM AND
SODIUM. [1963] [11p]
Order from SLA \$1.60

63-20466

Trans. of [Denki Kagaku] (Japan) 1948, v. 16,
p. 15-16.

DESCRIPTORS: *Fused materials, Salts, *Electrolysis,
Sodium compounds, Aluminum compounds, Fluorides,
Chemical reactions.

(See also 63-20465)

(Chemistry--Physical, TT, v. 10, no. 12)

63-20466

I. Nozaki, H.
II. Title: Electrolysis of
Fluorides...

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Office of Technical Services

Nozaki, Hiroshi.
ELECTROLYSIS OF FUSED SALTS, PTS. 1-2. [1963]
[15p]
Order from SLA \$1.60

63-20465

Trans. of [Denki Kagaku] (Japan) 1948, v. 16, p. 31-36.

DESCRIPTORS: *Fused materials, Salts, *Electrolysis,
Aluminum compounds, Oxides, Chemical reactions,
Electrochemistry, Metals, Mixtures.

Contents:

Voltaic reaction between a metal and its salt
A discussion of the voltaic effect in a mixture of a
metal and a salt, and the relationship between the
voltaic effect and electrolysis.

(Chemistry--Physical, TT, v. 10, no. 12)

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A Continuous Polymerization Apparatus for
Polysters, by S. Nozaki, S. Ohkawa.
JAPANESE, Patent Publ SHO 42-19 275.
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17, 18, 19, 20, 21, 22, 23,
DIA LS 452-67

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The Pulse Method of Fixed Distances; its Physical
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V. F. Nozdrey, V. D. Sobolev, M. G. Shirkevich,
V. F. Yakovlev, 6 pp.

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Experimental Investigation of Relaxation Processes
Which Arise When Ultrasonic Waves Pass Through
Liquids, by Yu. N. Bormosov, V. F. Nozdrev, V. D.
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Sci - Physics
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Application of Ultrasonics in Molecular Physics, by
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Investigation of the Absorption of Ultrasound in a
Number of Saturated Hydrocarbons by the Impulse
Method, by N. I. Koshkin, V. P. Nozdrev,

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Velocity of Ultrasonic Waves in Saturated Vapors of
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Scientific - Chemistry, hydrocarbons, ultrasonic waves,
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Utilization of Ultra-Acoustics in Molecular
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Chlorohydrins, by S. I. Sadykh-Zade, L. V.
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Characteristics of Oxidation Reduction Conditions in 53
Soils Under Various Types of Plantations, by
L. S. Kaurichev, E. M. Nozdrunova.
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Sole of Components of Water-Soluble
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Low-Molecular Organic Acid Contents of Water-Soluble Organic Matter in Soils, by I. S. Kaurichev, T. N. Ivanova, Ye. M. Klozdrunova, 7 pp.

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by I.S. Kaurichev, Ye. M. Nozdrunova, 4 pp.

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(DC-2700/⁴33)

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Separation of the High-Molecular-Weight Hydrocarbons
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ML - CIA; DCI

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By A.A. Nran'yan pp7

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